CLASSIFICATION GUIDE

DEP6053/10/95

Instructions: Circle the correct answer to each applicable question in both the soil and groundwater guides, complete pages 5, 6, and 7, and submit with the Closure Assessment Report (CAR) Form.

SOIL

This guide shall be used to place each facility into a particular class, and to establish allowable soil levels.

1.	Are three (3) tanks or fewer present at the facility?	Yes No	Proceed to question No. 2. Proceed to question No. 17.
2.	Have there been more than three (3) regulated underground storage tanks on site since December 22, 1988?	Yes No	Proceed to question No. 17. Proceed to question No. 3.
3.	Is the combined total capacity of all tanks present on site since December 22, 1988 less than 6000 gallons?	Yes No	Proceed to question No. 4. Proceed to question No. 17.
4.	Were the tanks taken out of service and empty prior to December 22, 1988? (See Section 1.3, page 2)	Yes No	Proceed to question No. 5. Proceed to question No. 17.
5.	Is permanent closure to be performed by closure in place?	Yes No	Proceed to question No. 20. Proceed to question No. 6.
6.	Are any domestic use wells, springs, cisterns, or well head protection areas located within a 100 meter (328 feet) radius from the tank pit?	Yes No	Proceed to question No. 30. Proceed to question No. 7.
7.	Are any environmentally sensitive features located within a 100 meter (328 feet) radius from the tank pit?	Yes No	Proceed to question No. 8. Proceed to question No. 9.
8.	Are environmentally sensitive features, located within a 100 meter (328 feet) radius from the tank pit, hydrogeologically upgradient from the tank pit?	Yes No	Proceed to question No. 9. Proceed to question No. 21.
9.	Was clear evidence of a release observed within the excavation zone or excavated materials? (See Section 1.7, page 2)	Yes No	Proceed to question No. 17. Proceed to question No. 10.
10.	Has surficial evidence of a subsurface release been observed outside of the excavation within a 150 meter (492 feet) radius from the tank pit?	Yes No	Proceed to question No. 32. Proceed to question No. 11.
11.	Was water encountered within the excavation zone?	Yes No	Proceed to question No. 12. Proceed to question No. 15.
12.	Was evidence of a release observed in the water encountered within the excavation zone? (See Section 2.0, page 2)	Yes No	Proceed to question No. 13. Proceed to question No. 15.
13.	Does the water encountered within the excavation zone meet the definition of groundwater as defined in 401 KAR 42:005?	Yes No	Proceed to question No. 14. Proceed to question No. 15. (This water shall be disposed of properly.)
14.	Does analysis of samples collected from the groundwater within the excavation zone indicate levels above those specified in Groundwater Table I? (See page 31)	Yes No	Closure under Class I disallowed. Proceed to question No. 20. Proceed to question No. 15.
15.	Was potential evidence of a release observed in the excavated materials (unidentified staining, odors etc.)?	Yes No	Proceed to question No. 16. Facility meets the requirements for closure under Class I.
16.	Does analysis of samples collected from the excavated materials indicate levels above those specified in Soil Table 3?	Yes No	Proceed to question No. 17. Facility meets the requirements for closure under Class I.
17.	Have external leak detection devices been in operation over the life of the UST system? (See Section 1.2, page 5)	Yes No	Proceed to question No. 18. Proceed to question No. 20.
18.	Have leaks or releases been detected over the life of the system?	Yes No	Proceed to question No. 20. Proceed to question No. 19.

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SOIL

19.	Was evidence of a release observed within the excavation zone? (See Section 1.4, page 5)	Yes No	Proceed to question No. 20. Facility meets the requirements for closure under Class II.
20.	Are any domestic use wells, springs, cisterns, or well head protection areas located within a 100 meter (328 feet) radius from the tank pit?	Yes No	Proceed to question No. 32. Proceed to question No. 21.
21.	Are any environmentally sensitive features located within a 50 meter (164 feet) radius from the tank pit?	Yes No	Proceed to question No. 22. Proceed to question No. 23.
22.	Have environmentally sensitive features, located within a 50 meter (164 feet) radius from the tank pit, been documented to be hydrogeologically upgradient from the tank pit?	Yes No	Proceed to question No. 23. Proceed to question No. 32.
23.	Has surficial evidence of a subsurface release been observed outside of the excavation within a 150 meter (492 feet) radius from the tank pit?	Yes No	Proceed to question No. 32. Proceed to question No. 24.
24.	Have fumes been detected inside buildings within a 150 meter (492 feet) radius from the tank pit?	Yes No	Proceed to question No. 32. Proceed to question No. 25.
25.	Are any of the following conditions present? Circle the preceding number of those that apply. 1 The facility is located in a carbonate bedrock setting, as determined through a geologic quadrangle map analysis. (See page 15, Section 5.1 for a detailed description of this geologic setting.) 2 Domestic use wells, springs, cisterns, or well head protection areas are located within a 100 to 300 meter (328 feet to 984 feet) radius from the tank pit. 3 Environmentally sensitive features are located within a 50 to 150 meter (164 feet to 492 feet) radius from the tank pit and are hydrogeologically downgradient from the tank pit. 4 Groundwater is encountered in the tank pit or piping trench excavation, or borings as required for closure in place and active systems. 5 Groundwater is not encountered within the tank pit or piping trench excavation, or borings as required for closure in place and active systems, and documentation has not been submitted to demonstrate that groundwater is at a depth of more than 30 feet from the surface. 6 Water supply lines, sanitary sewer lines, storm sewer lines, or telephone man-vaults are located within a 50 meter (164 feet) radius from the tank pit.	Yes No	Proceed to question No. 26. Proceed to question No. 28.
26.	Has consent from all off-site affected property owners been obtained and documentation submitted in order to disregard the Point of Compliance requirements in Class III?	Yes No	Soil on and off site shall be remediated to Class III Soil Table 1 levels. Proceed to question No. 27.
27.	Does analysis of soil samples collected from the excavation zone indicate levels above those specified in Class III Soil Table 1?	Yes No	Soils within the Point of Compliance shall be remediated to achieve Class III Soil Table 1 levels. Any soil levels above Class III Soil Table 1 levels which are outside of the Point of Compliance shall be remediated to the appropriate Class IV Soil Matrix Table levels. (See Section 6.2, p. 9) Facility meets the requirements for Class III closure.

Continued on next page.

SOIL

28.	Have all of the following been established? Domestic use wells, springs, cisterns, or well head protection areas are located beyond a 300 meter (984 feet) radius from the tank pit. Environmentally sensitive features are located beyond a 150 meter (492 feet) radius from the tank pit, or are sufficiently determined to be hydrogeologically upgradient from the tank pit. Site-specific information is submitted to demonstrate that groundwater is at a depth of more than 30 feet from the surface. Soil samples collected at the nearest hydrogeologically downgradient Point of Compliance, indicate levels below those specified in Class III Soil Table 1.	Yes No	Proceed to question No. 29. Proceed to question No. 26.
29.	Has consent from all off-site affected property owners been obtained and documentation submitted in order to disregard the Point of Compliance requirements in Class III?	Yes No	Soil on and off site shall be remediated to Class III Soil Table 2 levels. Proceed to question No. 30.
30.	Does analysis of soil samples collected at the nearest hydrogeologically downgradient Point of Compliance indicate levels below those specified in Class III Soil Table 1. (See Section 8.0, page 10)	Yes No	Proceed to question No. 31. Soils within the Point of Compliance shall be remediated to achieve Class III Soil Table 1 standards. Any levels in soil above Class III Soil Table 1 which are outside of the Point of Compliance shall be remediated to the appropriate Class IV Soil Matrix Table standards. (See Section 9.2, p. 10)
31.	Does analysis of soil samples collected from the excavation zone indicate levels above those specified in Class III Soil Table 2?	Yes No	Soils shall be remediated to achieve Class III Soil Table 2 standards. (See note below) Facility meets the requirements for Class III closure.
32.	Has consent from all off-site affected property owners been obtained and documentation submitted in order to disregard the Point of Compliance requirements in Class IV?	Yes No	Soil on and off site shall be remediated to achieve the appropriate Class IV Soil Matrix Table levels. Proceed to question No. 33.
33.	Do the prescribed Class IV Soil Matrix Table levels exceed those specified in Class III Soil Table 1?	Yes No	Proceed to question No. 34. Proceed to question No. 35.
34.	Are levels exceeding those specified in Class III Soil Table 1 present at the Point of Compliance?	Yes No	Soils within the Point of Compliance shall be remediated to the applicable Class IV Soil Matrix Table levels. Soils outside of the Point of Compliance shall be remediated to the appropriate Class IV Soil Matrix Table levels (See Section 8.0,p.17) Proceed to question No. 35.
35.	Does analysis of soil samples collected from the excavation zone indicate levels above those specified in the applicable Class IV Soil Matrix Table?	Yes No	Soils within the Point of Compliance shall be remediated to achieve the appropriate Class IV Soil Matrix Table standards. Facility meets the requirements for Class IV closure.

NOTE: Residual soil and/or groundwater levels above those specified in the applicable table will be allowed for closure only if a supplemental risk assessment, permit as a residual landfill, or monitor only plan is submitted and accepted by the Division in the form of a Corrective Action Plan.

GROUNDWATER GUIDE (FOR FACILITIES IN CLASS III AND CLASS IV) DEP6053/10/95

This guide shall be used to establish allowable levels in groundwater for facilities in Class III or Class IV.

1.	Was any water encountered within the excavation zone or required borings?	Yes No	Proceed to question No. 3. Proceed to question No. 2.
2.	Was any water encountered within the assessment one (1) meter below the bottom of a dry excavation? (See Section 3.2, page 8 or Section 3.2, page 14)	Yes No	Proceed to question No. 3. Proceed to question No. 4.
3.	Does this water meet the definition of groundwater as defined in 401 KAR 42:005?	Yes No	Proceed to question No. 7. Proceed to question No. 4.
4.	Was bedrock encountered within the excavation zone which prevented the collection of a composite soil sample from the bottom of the excavation?	Yes No	Proceed to question No. 6. Proceed to question No. 5.
5.	Were allowable soil levels achieved prior to reaching the soil/bedrock interface?	Yes No	Facility is not required to assess groundwater. Proceed to question No. 6.
6.	Were groundwater samples collected in the hydrogeologically downgradient area most likely to be effected by a release from the UST system?	Yes No	Proceed to question No. 7. Provide documentation to explain failure to assess groundwater.
7.	Is the facility serviced by a public water supply?	Yes No	Proceed to question No. 8. Proceed to question No. 9.
8.	Has groundwater been encountered at, or less than, 3.0 meters from the ground surface?	Yes No	Groundwater shall be remediated to achieve Groundwater Table I levels. Proceed to question No. 10.
9.	Is the affected groundwater a current or potential source for domestic use? (See Section 4.3, page 27)	Yes No	Proceed to question No. 11. Proceed to question No. 10.
10.	Are domestic use wells, springs, cisterns, or well head protection areas located within a 300 meter (984 feet) radius from the tank pit?	Yes No	Proceed to question No. 11. Proceed to question No. 12.
11.	Does analysis of groundwater samples indicate levels above those specified in Groundwater Table I?	Yes No	Groundwater shall be remediated to achieve Groundwater Table I levels No further assessment of groundwater is necessary.
12.	Does analysis of groundwater samples indicate levels above those specified in Groundwater Table II?	Yes No	Proceed to question No. 13. No further assessment of groundwater is necessary.
13.	Were groundwater samples collected in a hydrogeologically downgradient direction from the tank pit at, or as close as possible to, the Point of Compliance?	Yes No	Proceed to question No. 14. Provide documentation to explain failure to assess groundwater.
14.	Does analysis of the hydrogeologically downgradient groundwater indicate levels below those specified in Groundwater Table I?	Yes No	Groundwater shall be remediated to Groundwater Table II levels within the Point of compliance. Groundwater shall be remediated to Groundwater Table II levels within the Point of Compliance, and Groundwater Table I levels outside of the Point of Compliance.

NOTE: Residual soil and/or groundwater levels above those specified in the applicable table will be allowed for closure only if a supplemental risk assessment, permit as a residual landfill, or monitor only plan is submitted and accepted by the Division in the form of a Corrective Action Plan.

VERIFICATION OF FACILITY CLASSIFICATION

DEP6053/10/95

OWNER NAME: _____

FACILITY NAME: _____

FACILITY UST ID NUMBER: _____

I CERTIFY THAT THIS FACILITY MEETS THE CRITERIA TO CLOSE UNDER:
(CHECK APPLICABLE CLASS)

_____ CLASS I

_____ CLASS II

_____ CLASS III

_____ CLASS IV

THIS FACILITY HAS RESIDUAL LEVELS IN EXCESS OF THOSE SPECIFIED IN THE APPLICABLE SOIL OR GROUNDWATER TABLE(S).
(CHECK APPROPRIATE RESPONSE)

_____ YES

_____ NO

I CERTIFY THAT, THROUGH AN ACCURATE COMPLETION OF THE CLASSIFICATION GUIDE, THE ALLOWABLE SOIL LEVELS WITHIN THE POINT OF COMPLIANCE FOR THIS FACILITY ARE SPECIFIED IN:
(CHECK APPLICABLE TABLE)

_____ **CLASS III SOIL TABLE 1**

_____ **CLASS III SOIL TABLE 2**

_____ **CLASS IV SOIL MATRIX TABLE I** (FILL IN BLANKS)

SOIL TYPE: _____, DEPTH TO GROUNDWATER: _____, DISTANCE (0-100, 100-300, OR > 300): _____.

_____ **CLASS IV SOIL MATRIX TABLE II** (FILL IN BLANKS)

SOIL TYPE: _____, DEPTH TO GROUNDWATER: _____, DISTANCE (0-100, 100-300, OR > 300): _____.

_____ **CLASS IV SOIL MATRIX TABLE III** (FILL IN BLANKS)

SOIL TYPE: _____, DEPTH TO GROUNDWATER: _____, DISTANCE (0-100, 100-300,C OR > 300): _____.

_____ DOES NOT APPLY (CLASS I OR CLASS II)

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THIS FACILITY HAS OBTAINED WRITTEN CONSENT FROM ALL OFF-SITE AFFECTED PROPERTY OWNERS TO DISREGARD THE POINT OF COMPLIANCE REQUIREMENTS. (CHECK APPROPRIATE RESPONSE)

_____ YES

_____ NO

I CERTIFY THAT, THROUGH AN ACCURATE COMPLETION OF THE CLASSIFICATION GUIDE, THE ALLOWABLE SOIL LEVELS OUTSIDE OF THE POINT OF COMPLIANCE FOR THIS FACILITY ARE SPECIFIED IN:
(CHECK APPLICABLE TABLE)

_____ **CLASS III TABLE 1**

_____ **CLASS III TABLE 2**

_____ **CLASS IV SOIL MATRIX TABLE I** (FILL IN BLANKS)

SOIL TYPE: _____, DEPTH TO GROUNDWATER: _____.

_____ **CLASS IV SOIL MATRIX TABLE II** (FILL IN BLANKS)

SOIL TYPE: _____, DEPTH TO GROUNDWATER: _____.

_____ **CLASS IV SOIL MATRIX TABLE III** (FILL IN BLANKS)

SOIL TYPE: _____, DEPTH TO GROUNDWATER: _____.

_____ **DOES NOT APPLY, SOIL LEVELS EXCEEDING THOSE ALLOWED ARE NOT PRESENT AT OR BEYOND THE POINT OF COMPLIANCE**

I CERTIFY THAT, THROUGH AN ACCURATE COMPLETION OF THE GROUNDWATER GUIDE, THE ALLOWABLE LEVELS IN GROUNDWATER WITHIN THE POINT OF COMPLIANCE FOR THIS FACILITY ARE SPECIFIED IN:

_____ GROUNDWATER TABLE I

_____ GROUNDWATER TABLE II

_____ DOES NOT APPLY (GROUNDWATER ASSESSMENT NOT REQUIRED)

LEVELS EXCEEDING THOSE SPECIFIED IN GROUNDWATER TABLE I ARE:(CHECK APPLICABLE RESPONSE)

_____PRESENT AT OR BEYOND THE POINT OF COMPLIANCE

_____NOT PRESENT AT OR BEYOND THE POINT OF COMPLIANCE

_____DOES NOT APPLY (GROUNDWATER ASSESSMENT NOT REQUIRED)

I CERTIFY THAT THE SURFACE WATER STANDARDS SPECIFIED IN 401 KAR 5:031 HAVE BEEN ADDRESSED.

CONTINUED ON NEXT PAGE FOR APPROPRIATE SIGNATURES

THE UNDERSIGNED, FIRST BEING DULY SWORN, STATES THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS, AND THAT BASED ON MY INQUIRY OF THOSE INDIVIDUALS RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. THE UNDERSIGNED FURTHER ACKNOWLEDGES THAT KRS 224.99-010 PROVIDES PENALTIES FOR SUBMITTING FALSE INFORMATION.

COMPANY NAME _____

NAME OF INDIVIDUAL WHOS SIGNATURE APPEARS BELOW _____

SIGNATURE* _____

DATE OF SIGNATURE _____

SUBSCRIBED AND SWORN TO BEFORE ME BY _____

THIS THE _____ DAY OF _____ ,19 _____ .

NOTARY PUBLIC _____

MY COMMISSION EXPIRES _____

LOCATION OF COMMISSION(?) _____

*NOTE: IF AN INDIVIDUAL SIGNING THIS OTHER THAN PRESIDENT OR SECRETARY OF A CORPORATION, ATTACH A NOTARIZED COPY OF POWER OF ATTORNEY, OR RESOLUTION OF BOARD OF DIRECTORS WHICH GRANTS INDIVIDUAL THE LEGAL AUTHORITY TO REPRESENT THE COMPANY. (DOES NOT APPLY TO A SINGLE PROPRIETORSHIP OR PARTNERSHIP).

UNDER THE REQUIREMENTS OF KRS CHAPTER 322 AND 322A, THIS VERIFICATION OF FACILITY CLASSIFICATION SHALL BE SIGNED BY A PROFESSIONAL ENGINEER (P.E.) REGISTERED WITH KENTUCKY BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS, OR A PROFESSIONAL GEOLOGIST (P.G.) REGISTERED WITH THE KENTUCKY BOARD OF REGISTRATION FOR PROFESSIONAL GEOLOGISTS.

_____

SIGNATURE OF REGISTERED PROFESSIONAL ENGINEER OR REGISTERED PROFESSIONAL GEOLOGIST

_____

DATE NAME AND TITLE (TYPE OR PRINT)

_____

PROFESSIONAL REGISTRATION NUMBER, DATE AND SEAL